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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

COUNTRY Poland

DATE DISTR. 20 June 1955

SUBJECT Power Plant at Oswiecim

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

25X1

[redacted]

THIS IS UNEVALUATED INFORMATION

[redacted] ILLEGIB

hydrogenation plant at Oswiecim (Auschwitz) were drawn up in the Projektierungsbuero fuer die Energiewirtschaft, a designing and planning office on Behrenstrasse in East Berlin. The Poles are believed to have entrusted the designing work to the East German office because of a shortage of qualified technical experts in Poland. After the designing work had been completed, work was begun on the reconstruction of the plant and has proceeded continuously since that time, but progress is believed to have been slow.

2. The plans drawn up in East Berlin call for the installation of eleven electric turbines in the Oswiecim plant. These turbines are to be attached to two steam networks.

3. The first steam network has a maximum pressure of 70 Ata, counter pressure of 36 Ata, and a maximum temperature of 485°C. The following four turbines are to be attached to this steam network:

a. One back-pressure leak-off (Enthahme-Gegendruck) turbine with a capacity of 20 MW and a regulated leak-off (Entnahme) of 38 tons of steam per hour at 19 Ata. This turbine will have a counter pressure of 4.5 Ata and will use 92 tons of steam per hour when operating at maximum capacity. [redacted] 25X1

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[redacted]

b. Three back-pressure (Gegendruck) turbines with a capacity of 12.8 MW and a counter pressure of 36 Ata. Two of these turbines are being constructed [redacted] 25X1 25X1

They conform to the following specifications: Maximum capacity, 12,800 KW; normal operating capacity, 11,000 KW at 3,000 rpm; cosine ϕ 0-8; 16,800 kva; 6,300 volts; 50 cycles; normal operating pressure, 70 Atue; maximum pressure, 80 Atue;

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for delivery in November 1955 and January 1956, but it is unlikely that they will be delivered on schedule. The total price for the two turbine turbines amounts to about $360,000. The contract for the construction of the third turbine has not been let [redacted] 25X1

[redacted] 25X1

4. The second steam network in the Oswiecim plant has a maximum pressure of 36 Ata and a maximum temperature of 395°C. The following seven turbines will be attached to this steam network:

a. Two back-pressure (Gegendruck) turbines with a capacity of 17 MW and a steam extraction of 4.5 Ata. These two turbines have not been ordered.

b. One back-pressure (Gegendruck) tubbine with a capacity of 17 MW and a steam extraction of 1.5 Ata. This machine has not been ordered.

c. Three condensing leak-off (Kondensations-Entnahme) turbines with a capacity of 20 MW and a steam extraction of 4.5 Ata. [redacted] 25X1

[redacted] 25X1

d. One back-pressure leak-off (Gegendruck-Entnahme) turbine with a capacity of 10 MW, a regulated extraction of 4.5 Ata and a counter pressure of .45 Ata. This machine has already been installed in Oswiecim for several years. It is an old machine which was constructed by AEG during World War II and was first installed in the Klingenberg power plant in East Berlin. In 1950, the turbine was removed from Klingenberg, renovated [redacted] and transported to Oswiecim. It has been in operation at Oswiecim ever since and is the only turbine in the power plant which is definitely known to be in operation. 25X1

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[redacted]

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